

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/001846 A1

(51) International Patent Classification⁷: G21F 5/14

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NJ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/GB2004/002698

(22) International Filing Date: 23 June 2004 (23.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0314819 4 25 June 2003 (25.06.2003) GB

(71) Applicant (for all designated States except US): BRITISH NUCLEAR FUELS PLC [GB/GB]; 1100 Daresbury Park, Daresbury, Warrington, Cheshire WA4 4GB (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HUNT, Kevin [GB/GB]; BNFL Environmental Services, Berkeley Centre, Berkeley GL 13 9PB (GB). COLLINS, Jeffrey [GB/GB]; BNFL Environmental Services, Berkeley Centre, Berkeley GL 13 9PB (GB)

(74) Agent: HARRISON Goddard Foote; Belgrave Hall, Belgrave Street, Leeds LS2 8DD (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/001846 A1

(54) Title: DEVICE FOR RECOVERING WASTE MATERIALS FROM A CONFINED SPACE

(57) Abstract: The invention provides a recovery device and method for use in a confined space, the device comprising (a) a plurality of gripping means and (b) extension means, the plurality of gripping means being comprised in the same member or in adjacent members. Preferably, the plurality of gripping means comprise first gripping means and second gripping means and the recovery device additionally comprises collection means for the loose and particulate debris collected by the second gripping means. The invention provides a solution to the problem of repeated access to confined spaces such as mortuary tubes by providing a recovery device capable of handling a mixture of drums and loose waste without necessitating the changing of tools.